

DAPK3 (Phospho Thr265) Rabbit pAb

CatalogNo: YP0548

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 52kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

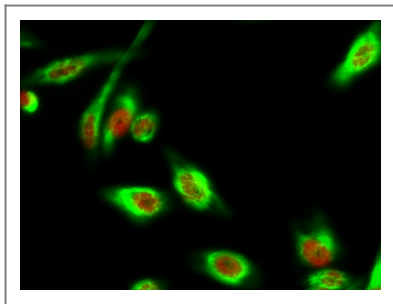
The antiserum was produced against synthesized peptide derived from human DAPK3 around the phosphorylation site of Thr265. AA range: 241-290

Specificity Phospho-DAPK3 (T265) Polyclonal Antibody detects endogenous levels of DAPK3 protein only when phosphorylated at T265. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RMtIA

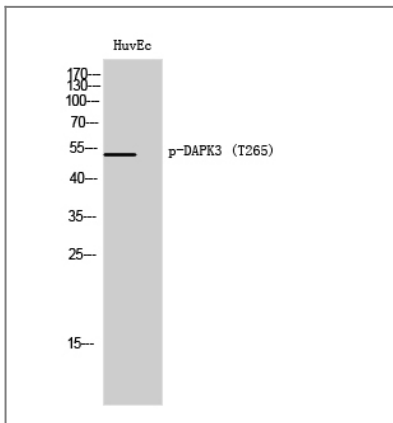
| Target Information

Gene name	DAPK3		
Protein Name	Death-associated protein kinase 3		
	Organism	Gene ID	UniProt ID
	Human	1613 ;	O43293 ;
	Mouse	13144 ;	O54784 ;
	Rat	64391 ;	O88764 ;
Cellular Localization	Nucleus . Cytoplasm . Predominantly localizes to the cytoplasm but can shuttle between the nucleus and cytoplasm; cytoplasmic localization is promoted by phosphorylation at Thr-299 and involves Rho/Rock signaling. .; [Isoform 1]: Nucleus . Cytoplasm .; [Isoform 2]: Nucleus . Cytoplasm .		
Tissue specificity	Widely expressed. Isoform 1 and isoform 2 are expressed in the bladder smooth muscle.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,Function:Serine/threonine kinase which acts as a positive regulator of apoptosis. Phosphorylates histone H3 on 'Thr-11' at centromeres during mitosis.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Relocates to the cytoplasm on binding PAWR where the complex appears to interact with actin filaments (By similarity). Associates to centromeres from prophase to anaphase.,subunit:Homodimer or forms heterodimers with ATF4. Both interactions require an intact leucine zipper domain and oligomerization is required for full enzymatic activity. Also binds to DAXX and PAWR, possibly in a ternary complex which plays a role in caspase activation. Interacts with AATF and CDC5L.,		

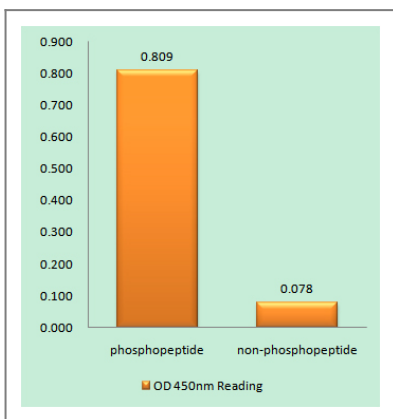
| Validation Data



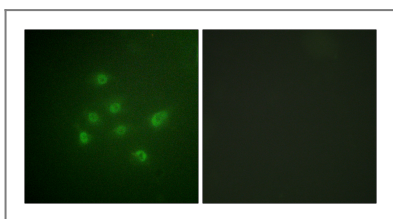
Immunofluorescence analysis of Hela cell. 1, DAPK3 (phospho Thr265) Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). α -tubulin Monoclonal Antibody (8F11) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50min).



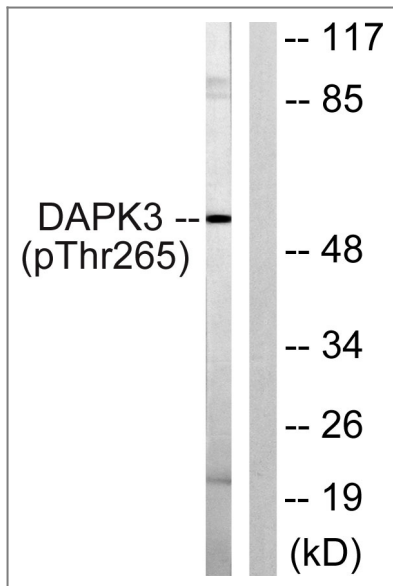
Western Blot analysis of HuvEc cells using Phospho-DAPK3 (T265) Polyclonal Antibody



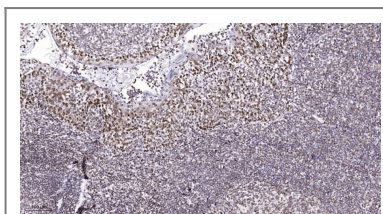
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using DAPK3 (Phospho-Thr265) Antibody



Immunofluorescence analysis of A549 cells, using DAPK3 (Phospho-Thr265) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells, using DAPK3 (Phospho-Thr265) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
DAPK3 (Phospho Thr265) Rabbit pAb

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